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ANSWER 6 OF 21 CAPLUS COPYRIGHT 2000 ACS
L6
                                                       DUPLICATE 2
ΙN
     Hofmann, Joachim; Schmid, Karlheinrich
ΤI
     Dictyocaulus viviparus antigen DV18 for diagnosis of
     lungworm affection and for vaccination
AΒ
     Immunogenic protein DV18 from D. viviparus, methods for isolation of
     DV18-encoding DNA and for prepn. of DV18 with recombinant cells, and use
     of DV18 or DV18 peptides for diagnosis and vaccination against
     lungworm infection are disclosed. A protein with pI 5.5 and mol.
     wt. 17,500 .+-. 1,500 was isolated from D. viviparus. Sequences of DV18
     peptides were detd. Vaccination of male calves with native DV18
protected
     them from challenge with L3 lungworm larvae. An ELISA procedure
     to detect anti-DV18 antibodies was demonstrated.
ΑN
     1997:500910 CAPLUS
DN
     127:160566
TI
     Dictyocaulus viviparus antigen DV18 for diagnosis of
     lungworm affection and for vaccination
ΙN
     Hofmann, Joachim; Schmid, Karlheinrich
PA
     Hoechst A.-G., Germany
     Eur. Pat. Appl., 17 pp.
SO
     CODEN: EPXXDW
DT
     Patent
LA
     German
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                                          APPLICATION NO.
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                                       EP 1996-120947
PΙ
     EP 785253
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                           19970723
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     DE 19601754
                     A1
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                                          DE 1996-19601754 19960119
                                          AU 1997-12223
     AU 9712223
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                      Α1
     AU 711037
                           19991007
                      В2
PRAI DE 1996-19601754 19960119
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17,11,19,21,23,31,33,34